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SEQUENCE LISTING

<110> Bayer AG

<120> NOVEL EIMERIA GENE AND PROTEIN, AND THEIR USE

<130> LeA 36695 DE

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<170> PatentIn version 3.1

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<212> DNA

<213> Eimeria tenella

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 Met Arg Thr Ile Leu Ala Thr Leu Val Gly
 1 5 10

ttc aca gcc tgc gca gcc gtt gct gca gac gga gca cct gag tat cct 160
 Phe Thr Ala Cys Ala Ala Val Ala Ala Asp Gly Ala Pro Glu Tyr Pro
 15 20 25

tct cag ctt gca gtt gaa atc gat cca gaa gcg att att gcg atc cag 208
 Ser Gln Leu Ala Val Glu Ile Asp Pro Glu Ala Ile Ile Ala Ile Gln
 30 35 40

- 2 -

caa gat gca aac gcc gac cca cgt ctc ttt ttc cca ctg agc ggg ctt	256
Gln Asp Ala Asn Ala Asp Pro Arg Leu Phe Phe Pro Leu Ser Gly Leu	
45 50 55	
gtc tcc gcc aaa ctt gcc aaa gtc ttt caa ccc aac ata tac cca acc	304
Val Ser Ala Lys Leu Ala Lys Val Phe Gln Pro Asn Ile Tyr Pro Thr	
60 65 70	
cct cct agt ccc cag aca act tac cac ttt cac ctc cat cct cat ccc	352
Pro Pro Ser Pro Gln Thr Thr Tyr His Phe His Leu His Pro His Pro	
75 80 85 90	
cat tat ccg cat cct cag cca agt tat cct cat cct caa ccc cat cat	400
His Tyr Pro His Pro Gln Pro Ser Tyr Pro His Pro Gln Pro His His	
95 100 105	
cct cat cct cat cct tat cat cct cat cct cat ccc cat cat cct cat	448
Pro His Pro His Pro Tyr His Pro His Pro His Pro His His Pro His	
110 115 120	
cct cat ccc cat caa cat cct cat cgt cat ccc gac cat cat ccc cac	496
Pro His Pro His Gln His Pro His Arg His Pro Asp His His Pro His	
125 130 135	
cat cat cct cac cat cat cat cat gaa cat aat gtt cat gtg cct caa	544
His His Pro His His His His His Glu His Asn Val His Val Pro Gln	
140 145 150	
cat cag cac gct caa cac aac ggc cac cag aac aac ggt ggc cca gct	592
His Gln His Ala Gln His Asn Gly His Gln Asn Asn Gly Gly Pro Ala	
155 160 165 170	
cat tat cac cat gac tac cat ttt gcg cat cct cat caa gag aac cag	640
His Tyr His His Asp Tyr His Phe Ala His Pro His Gln Glu Asn Gln	
175 180 185	
cat cac cgc gag gaa gag cag ctt acc gac atc aac taa gctattggtc	689
His His Arg Glu Glu Glu Gln Leu Thr Asp Ile Asn	
190 195	
gggaattaag gtgcttagtc tcagtagtca gtacagtact aggetacgtc tgagatcttc	749
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35 40 45

Pro Arg Leu Phe Phe Pro Leu Ser Gly Leu Val Ser Ala Lys Leu Ala
50 55 60

Lys Val Phe Gln Pro Asn Ile Tyr Pro Thr Pro Pro Ser Pro Gln Thr
65 70 75 80

Thr Tyr His Phe His Leu His Pro His Pro His Tyr Pro His Pro Gln
85 90 95

Pro Ser Tyr Pro His Pro Gln Pro His His Pro His Pro His Pro Tyr
100 105 110

His Pro His Pro His Pro His His Pro His Pro His Pro His Gln His
115 120 125

Pro His Arg His Pro Asp His His Pro His His His Pro His His His
130 135 140

His His Glu His Asn Val His Val Pro Gln His Gln His Ala Gln His
145 150 155 160

Asn Gly His Gln Asn Asn Gly Gly Pro Ala His Tyr His His Asp Tyr
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Gln Leu Thr Asp Ile Asn
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atccagcaag atgcaaacgc cgacccacgt ctctttttcc cactgagcgg gcttgtctcc      180
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cctcaccatc atcatcatga acataatggt catgtgcctc aacatcagca cgctcaaacac      480
aacggccacc agaacaacgg tggcccagct cattatcacc atgactacca ttttgcgcat      540
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